

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number
WO 2004/093149 A3

(51) International Patent Classification:
G06F 9/24 (2006.01)

(21) International Application Number:
PCT/US2004/011372

(22) International Filing Date: 12 April 2004 (12.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/462,080 11 April 2003 (11.04.2003) US

(71) Applicant (for all designated States except US): **FLEXI-WORLD TECHNOLOGIES, INC.** [US/US]; 3439 N.E. Sandy Blvd #267, Portland, OR 97232 (US).

(72) Inventors: **CHANG, William, Ho**; 16900 SE 26th Drive #94, Vancouver, WA 98687 (US). **VISWANATHAN, Vinaynathan**; 69, Amchi Colony, Bavdhan Khurd, Pune, MH 411021 (IN).

(74) Agent: **MEININGER, Mark, M.**; Ipsolon LLP, 805 SW Broadway #2740, Portland, OR 97205 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

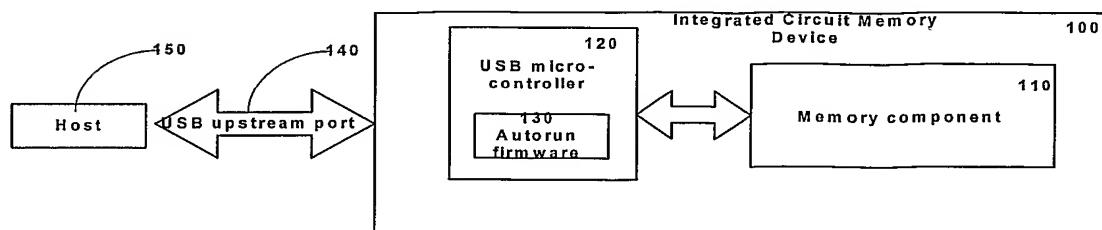
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

(88) Date of publication of the international search report:
20 September 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **AUTORUN FOR INTEGRATED CIRCUIT MEMORY COMPONENT**



(57) Abstract: Autorun functionality is incorporated into an integrated circuit memory device (100) such as any USB peripheral, which has a memory component (110) interfaced to a USB microcontroller (120). This provides autorun of one or more executables or application installers from a memory component (110) with a USB interface without an intermediate hardware-based autorun feature. USB peripheral devices internally include a USB microcontroller (120) that performs the functionality associated with identifying the device to a host computing device (150), such as a personal computer. Autorun firmware (130) is embedded into the USB microcontroller (120). The autorun firmware (130) enables autorun of an installable or executable application stored on the memory component (110) of the USB device. The firmware (130) acts as a bridge component translating all commands and interactions between a host PC (150) and the memory component (100).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11372

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 9/24

US CL : 713/1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 713/100; 711/115, 170; 710/15

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P --- Y,P	US 2003/0110371 A1 (YANG et al) 12 June 2003 (12.6.2003), paragraph 0015.	1, 8-9 ----- 10 and 16-17
X --- Y	US 2002/0078367 A1 (LANG et al) 20 June 2002 (20.6.2002), paragraphs 0023, 0030 and 0048.	1-4 and 8 ----- 10-13 and 16-18
Y	US 2002/0101515 A1 (YOSHIDA et al) 1 August 2002 (1.8.2002), paragraphs 0207 and 0261.	5-6
Y	US 6366966 B1 (LANEY et al) 2 April 2002 (2.4.2002), col. 1 lines 57-60, col. 2 lines 11-36	10-13 and 16-18

☐ Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search

02 September 2004 (02.09.2004)

Date of mailing of the international search report

20 JUN 2007

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Thomas C Lee

Telephone No. (703) 305-3900

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11372

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 7
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
It is unclear to the examiner as to what "with connections to plural distinct peripherals" refers to.
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.